

MINNESOTA SPORTS FACILITIES AUTHORITY

REQUEST FOR PROPOSALS

**Broadcast Infrastructure
FOR
U.S. BANK STADIUM
MINNEAPOLIS, MINNESOTA**

December 1, 2015

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BROADCAST INFRASTRUCTURE
FOR
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MINNEAPOLIS, MINNESOTA**

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A. Project Background and Objectives

In 2012, the State of Minnesota enacted 2012 Minnesota Laws, Chapter 299 (the “Act”), to establish the Minnesota Sports Facilities Authority (“Authority”) and to provide for the construction, financing, and long term use of a new stadium (the “Stadium”) and related stadium infrastructure (the “Stadium Infrastructure”) as a venue for professional football and a broad range of other civic, community, athletic, educational, cultural and commercial activities.

As set forth in the Act, the design, development and construction of the Stadium and the Stadium Infrastructure (collectively, the “Project”) is a collaborative process between the Authority and Minnesota Vikings Football Stadium, LLC (the “Team”). To that end, the Authority and the Team have prepared this Request for Proposals (“RFP”) for the design, development, coordination, supply, installation and testing of the Broadcast Infrastructure. The preliminary program for the Broadcast Infrastructure is incorporated within this RFP. Those who respond to this RFP shall be referred to as a “Proposer” or “Proposers”.

The Project is located on a site partially including the site of the former Hubert H. Humphrey Metrodome and also including additional adjacent land that has been acquired in Minneapolis, Minnesota. Selected Construction Documents may be incorporated within this RFP as **Exhibit E** – Stadium Plans. The Project is being designed to meet the standards required for a National Football League (“NFL”) franchise, as well as other programmatic uses consistent with other multipurpose facilities. The Project will be designed in accordance with the design requirements set forth in the Act, and such additional standards as established by the Authority. Construction of the Stadium and Stadium Infrastructure is now underway with substantial completion of the overall Stadium and Stadium Infrastructure to be achieved not later than July 29, 2016 so as to be ready for occupancy in advance of the Minnesota Vikings’ 2016 NFL season (the “Required Construction Schedule”).

At full capacity, U. S. Bank Stadium attendance will equal the population of the 8th largest city in Minnesota. The new 1.75 million square foot stadium will provide several unique features compared to all other stadiums, including the largest transparent ethylene-tetraflouroethylene (ETFE) roof in the nation and five 95-foot high pivoting glass doors that will open to a nearly three-acre plaza, urban park and the Minneapolis downtown skyline. With the stadium’s openness, participants will experience an outdoor feel in a climate-controlled environment. Minnesota Vikings fans will also be as close to the action as any NFL stadium, with seats just 41 feet from the sideline. Seven levels in the stadium, including two general admission concourses with 360-degree circulation and various views into the bowl, will be connected via escalators, elevators, stairs and a continuous ramp. Inside, three of the stadium’s seven levels will feature suites, including some at field level. Two of the largest and highest-quality HD video boards in the NFL will be located in both the east and west end zones, and nearly 2000 HD flat screen televisions and video walls will be distributed throughout the stadium. Therefore, to align with the physical experience, a Broadcast Infrastructure needs to be implemented to provide the connectivity and bandwidth necessary to support Stadium operations and the desired user experience.

The U. S. Bank Stadium Technology Vision is to provide the optimal large venue participant experience available anywhere in the world. We want that experience to begin anytime desired, and especially as individuals, families and groups leave their front door on the way to the Stadium.

U.S. Bank Stadium will host up to 400 events in addition to MN Vikings NFL Games each year, including concerts, meetings, trade shows, and sporting and community events. It is the Authority's plan to offer a compelling, easy to use and reliable digital attendee experience at all events.

The primary objectives of this RFP are to implement Broadcast Infrastructure including, but not limited to fiber optic cables and copper cables:

- Installation of fiber connections, copper connections, and ensure all operability of infrastructure.

The respondents to this RFP must demonstrate the capability to develop and implement the required Broadcast Infrastructure. The selected vendor team must take full accountability for the desired outcome but may utilize an extended team of Sub-contractor(s) and business partners.

The successful Proposer to the RFP will be engaged to design, develop, coordinate, supply, construct, install, commission, and test the complete Broadcast Infrastructure for the Project (as further described in the RFP and any addenda that will be issued to this RFP) including, without limitation:

- Design, coordination, supply, installation and testing of the complete Broadcast Infrastructure for the Project;
- All necessary Fiber Optic conduit, cabling, terminations and other equipment as needed to provide a turnkey installation and delivery of a fully operational Broadcast Infrastructure.

B. Intent and Process of the Request for Proposals

This RFP is focused on the selection of the design, coordination, supply, installation, and testing of the complete Broadcast Infrastructure for the Project, as well as integration with other equipment and infrastructure within the U.S. Bank Stadium.

Broadcast Infrastructure providers should have significant experience in the design, construction, installation, commissioning, and maintenance of such systems. It is the desire of the Authority to consider as part of its selection criteria the commitment of the Proposer to exert good faith efforts to comply with the plan of the Authority to ensure equitable opportunities for Minority Owned Business Enterprises ("MBE") and Women Owned Business Enterprises ("WBE") to participate in the preconstruction services, design, construction management, and support of the Broadcast Infrastructure for the Project. The successful Proposer or Proposers must also demonstrate the ability to exert good faith efforts to comply with workforce goals and targeted zip code hiring goals, and work with organizations to develop effective MBE, WBE and workforce recruitment efforts during the preconstruction, design, construction management, and the construction of the Broadcast Infrastructure for the Project. As described below, each Proposer should describe how they will encourage the participation and utilization of MBEs and WBEs in the Proposers' performance of their services consistent with the goals expressed in **Exhibit D**. MBEs and WBEs that are interested in acting as the Broadcast Infrastructure Provider for the Project are encouraged to respond to this Request for Proposals.

C. Broadcast Infrastructure Requirements

The Provider is required to design, coordinate, supply, install and test the complete Broadcast Infrastructure for the Project in accordance with the terms of the RFP and any future Addenda.

The Broadcast Infrastructure proposed in each Proposer's RFP response must meet the following requirements:

C.1 Planning Requirements

- a. A clear blueprint and detailed technical definition of the proposed Broadcast Infrastructure
- b. Development of a detailed plan and schedule for all required elements of functionality and integration with Stadium infrastructures
- c. Detailed technical narrative specifying Proposer's approach to the design, construction, testing and acceptance process

C.2 Cabling Installation, Termination and Testing Requirements

The following options will be priced as follows:

1 NFL Cabling Requirements

Notes: Provide field panels as required from Bexel

SM: Single Mode

- A. NFL VTN Rack Requirements
 1. Install 48 strand single mode fiber from VTN rack in cross connect room to IDF 1.38.05
 2. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 3. Provide rackmount fiber patch panels to accommodate all 72 fiber strands at each end
 4. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 5. Test all fiber connections and provide to Owner
- B. NFL Fiber from IDF to MDF
 1. Install 24 strand single mode fiber from DataCenter (1.38.02/03) to IDF 1.38.05
 2. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 3. Provide rackmount fiber patch panels to accommodate all 48 fiber strands at each end
 4. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 5. Test all fiber connections and provide to Owner
- C. Fiber from IDF 1.38.05 to NFL Instant Replay
 1. Install 72 strand single mode fiber optic from IDF 1.38.05 to NFL Instant Replay (7.15.01).
 2. Provide rackmount fiber patch panels to accommodate all 144 fiber strands at each end
 3. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.

4. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 5. Test all fiber connections and provide to Owner
- D. One 24 strand SM fiber from Instant Replay booth to nearest NFL IDF rack location; w/ST connections
1. Install 24 strand single mode from Instant replay room (7.15.01) to IDF (7.15.10).
 2. Provide rackmount fiber patch panel to accommodate all 48 fiber strands at each end
 3. Terminate utilizing ST style connectors, by fusion splicing pigtailed with matching TIA color code with installed fiber
 4. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 5. Test all fiber connections and provide to Owner
- E. Home Coaches booth
1. Install 12 strand single mode fiber optic from Home Coaches booth (6.19.02) to NFL Instant Replay (7.15.01)
 2. Provide rackmount fiber patch panel to accommodate all 24 fiber strands at each end
 3. Terminate utilizing ST style connectors, by fusion splicing pigtailed with matching TIA color code with installed fiber.
 4. Land all fiber connections onto patch panel
 5. Test all fiber connections and provide to Owner
- F. Visitor Coaches booth
1. Install 12 strand single mode fiber optic from Visitor Coaches booth (6.23.02) to NFL Instant Replay (7.15.01)
 2. Provide rackmount fiber patch panel to accommodate all 24 fiber strands at each end
 3. Terminate utilizing ST style connectors, by fusion splicing pigtailed with matching TIA color code with installed fiber.
 4. Land all fiber connections onto patch panel
 5. Test all fiber connections and provide to Owner
- G. Press Area IDF fiber
1. Install 24 strand single mode fiber optic from Press IDF (6.15.05) to NFL Instant Replay (7.15.01), terminate with ST ends, and test after installation
 2. Provide rackmount fiber patch panel to accommodate all 24 fiber strands at each end
 3. Terminate utilizing ST style connectors, by fusion splicing pigtailed with matching TIA color code with installed fiber.
 4. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 5. Test all fiber connections and provide to Owner
- H. One 12 strand SM fiber from NFL 114C box to IDF 1.38.05
1. Install 12 strand single mode fiber optic from NFL 114C to IDF 1.38.05
 2. Provide rackmount fiber patch panel to accommodate all 48 fiber strands at each end
 3. Terminate utilizing ST style connectors, by fusion splicing pigtailed with matching TIA color code with installed fiber.
 4. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps

5. Test all fiber connections and provide to Owner
- I. One 12 strand SM fiber from NFL 116A to IDF 1.38.05
 1. Install 12 strands single mode fiber optic from NFL 116A to IDF 1.38.05
 2. Provide rackmount fiber patch panel to accommodate all 24 fiber strands at each end
 3. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 4. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 5. Test all fiber connections and provide to Owner
- J. One 12 strand SM fiber from JBC 115A to IDF 1.38.05
 1. Install 12 strands single mode fiber optic from JBC 115A to IDF 1.38.05
 2. Provide rackmount fiber patch panel to accommodate all 48 fiber strands at each end
 3. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 4. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 5. Test all fiber connections and provide to Owner
- K. One 12 strand SM fiber from JBC 113A to IDF 1.38.05
 1. Install 12 strands single mode fiber optic from JBC 113A to IDF 1.38.05
 2. Provide rackmount fiber patch panel to accommodate all 48 fiber strands at each end
 3. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 4. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 5. Test all fiber connections and provide to Owner
- L. One 24 strand SM fiber from IDF 7.15.10 to Instant Replay (7.15.01)
 1. Install 24 strands single mode fiber optic from IDF 7.15.10 to Instant Replay (7.15.01).
 2. Provide rackmount fiber patch panel to accommodate all 48 fiber strands at each end
 3. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 4. Land all fiber connections onto patch panel
 5. Test all fiber connections and provide to Owner
- M. One 12 strand SM fiber from Instant Replay cabinet to scoreboard production room
 1. Install 12 strand single mode fiber optic from Scoreboard Control Room (7.15.05) to Instant Replay (7.15.01).
 2. Provide rackmount fiber patch panel to accommodate all 24 fiber strands at each end
 3. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 4. Land all fiber connections onto patch panel
 5. Test all fiber connections and provide to Owner
- N. One 12 strand SM fiber from Injury Review booth to Instant Replay Booth
 1. Install 24 strand single mode fiber optic from Injury Video Review Booth (7.14.06) to Instant Replay (7.15.01).
 2. Provide rackmount fiber patch panel to accommodate all 24 fiber strands at each end

3. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 4. Land all fiber connections onto patch panel
 5. Test all fiber connections and provide to Owner
- O. Six Twisted pair cables from home coach booth to home 50 yd sideline JBC
1. Install two (2) twelve (12) pair, with each pair individually shielded 22 AWG audio cable from visitor coach booth 6.23.02 to JBC 113A
 2. Terminate into NFL box with male XLR connectors (follow drawing ES8.51)
 3. Provide XLR patch panel at both locations to house XLR connectors
- P. Six Twisted pair cables from visitor coach booth to visitor 50 yd sideline JBC
1. Install two (2) twelve (12) pair, with each pair individually shielded 22 AWG audio cable from visitor coach booth 6.23.02 to JBC 113A
 2. Terminate into NFL box with XLR connectors
 3. Provide XLR patch panel at both locations to house XLR connectors
- Q. Coaches booths to field boxes
1. Centronics cable for ring down phones for each coach booth to each sideline JBC
 2. Install two Cat 5e from home coach booth (6.19.02) to JBC 115A field level
 3. Install two Cat 5e from visitor coach booth (6.23.02) to JBC 113A field level
 4. Install one 25 pair cable from JBC 114C to stadium phone system demarcation
 5. Install one 25 pair cable from JBC 113C to stadium phone system demarcation
 6. Coordinate termination requirements/connections with the NFL
- R. High East EZ
1. Install 12 strand single mode fiber optic from High Home EZ (NFL 702B) to NFL Instant Replay (7.15.01)
 2. Provide rackmount fiber patch panel to accommodate all 24 fiber strands at each end
 3. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 4. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 5. Test all fiber connections and provide to Owner
- S. High West EZ
1. Install 12 strand single mode fiber optic from High West endzone on top of west video display to NFL Instant Replay (7.15.01).
 2. Provide rackmount fiber patch panel to accommodate all 24 fiber strands at each end
 3. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 4. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 5. Test all fiber connections and provide to Owner
- T. High Home 50 yd line (all 22)
1. Install 12 strand single mode fiber optic from High Home All22 (NFL 906A) to NFL Instant Replay (7.15.01).
 2. Provide rackmount fiber patch panel to accommodate all 24 fiber strands at each end

3. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 4. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 5. Test all fiber connections and provide to Owner
- U. High Visitor 50 yard line (reverse all 22)
1. Install 12 strand single mode fiber optic from High Visitor All22 to NFL Instant Replay (7.15.01).
 2. Provide rackmount fiber patch panel to accommodate all 24 fiber strands at each end
 3. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 4. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 5. Test all fiber connections and provide to Owner
- V. Home Interview Room 1.19.06
1. Install 12 strand single mode fiber optic from Home Interview Room (1.19.06) to NFL Event Level IDF (1.38.05).
 2. Provide additional fiber patch panel to accommodate all 12 fiber strands at each end
 3. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 4. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 5. Test all fiber connections and provide to Owner
- W. Audio cable from NFL Enhanced Audio position to Cross Connect Room
1. Provide one (1) six pair cable with each pair individually shielded from the NFL Enhanced Audio position in the press box down to the cross connect room on the event level.
 2. Coordinate with Owner on exact locations.
 3. Terminate in the press box with six (6) male XLR panel mount connectors in a fourplex box.
 4. Terminated at the cross connect room a rack mounted field panel with six (6) female XLR connectors
 5. Ensure all connections are labeled at both ends with engraved panel labels.
 6. Test connections and provide written report to Owner
- X. Audio cable from NFL Observer position to Cross Connect Room
1. Provide one (1) six pair cable with each pair individually shielded from the NFL Observer position in the press box down to the cross connect room on the event level.
 2. Coordinate with Owner on exact location.
 3. Terminate in the press box with six (6) male XLR panel mount connectors in a fourplex box.
 4. Terminated at the cross connect room a rack mounted field panel with six (6) female XLR connectors
 5. Ensure all connections are labeled at both ends with engraved panel labels.
 6. Test connections and provide written report to Owner

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NFL Alternates

- A. NFL VTN Rack Requirements
 - 1. Upgrade fiber from 48 strand to 72 strand fiber optic cable, from VTN rack in cross connect room to IDF 1.38.05
 - 2. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 - 3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 - 4. Test all fiber connections and provide to Owner
- B. NFL Fiber from IDF to MDF
 - 1. Upgrade fiber from 24 strand to 48 strand fiber optic cable, from DataCenter (1.38.02/03) to IDF 1.38.05
 - 2. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 - 3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 - 4. Test all fiber connections and provide to Owner
- C. Fiber from IDF 1.38.05 to NFL Instant Replay
 - 1. Upgrade fiber from 72 strand to 144 strand fiber optic cable, from IDF 1.38.05 to NFL Instant Replay (7.15.01).
 - 2. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 - 3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 - 4. Test all fiber connections and provide to Owner
- D. One 24 strand SM fiber from Instant Replay booth to nearest NFL IDF rack location; w/ST connections
 - 1. Upgrade fiber from 24 strand to 48 strand fiber optic cable, from Instant replay room (7.15.01) to IDF (7.15.10).
 - 2. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 - 3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 - 4. Test all fiber connections and provide to Owner
- E. Home Coaches booth
 - 1. Upgrade fiber from 12 strand to 24 strand fiber optic cable, from Home Coaches booth (6.19.02) to NFL Instant Replay (7.15.01)
 - 2. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 - 3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 - 4. Test all fiber connections and provide to Owner
- F. Visitor Coaches booth

1. Upgrade fiber from 12 strand to 24 strand fiber optic cable, from Visitor Coaches booth (6.23.02) to NFL Instant Replay (7.15.01)
 2. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps Test all fiber connections and provide to Owner
- G. SM fiber from NFL 114C box to IDF 1.38.05
1. Upgrade fiber from 12 strand to 48 strand fiber optic cable, from NFL 114C to IDF 1.38.05
 2. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 4. Test all fiber connections and provide to Owner
- H. SM fiber from NFL 116A to IDF 1.38.05
1. Upgrade fiber from 12 strand to 24 strand fiber optic cable, from NFL 116A to IDF 1.38.05
 2. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 4. Test all fiber connections and provide to Owner
- I. SM fiber from JBC 115A to IDF 1.38.05
1. Upgrade fiber from 12 strand to 48 strand fiber optic cable, from JBC 115A to IDF 1.38.05
 2. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 4. Test all fiber connections and provide to Owner
- J. SM fiber from JBC 113A to IDF 1.38.05
1. Upgrade fiber from 12 strand to 48 strand fiber optic cable, from JBC 113A to IDF 1.38.05
 2. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 4. Test all fiber connections and provide to Owner
- K. SM fiber from IDF 7.15.10 to Instant Replay (7.15.01)
1. Upgrade fiber from 24 strand to 48 strand fiber optic cable, from IDF 7.15.10 to Instant Replay (7.15.01).
 2. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.

3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 4. Test all fiber connections and provide to Owner
- L. SM fiber from Instant Replay cabinet to scoreboard production room
1. Upgrade fiber from 12 strand to 24 strand fiber optic cable, from Scoreboard Control Room (7.15.05) to Instant Replay (7.15.01).
 2. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 4. Test all fiber connections and provide to Owner
- M. SM fiber from Injury Review booth to Instant Replay Booth
1. Upgrade fiber from 12 strand to 24 strand fiber optic cable, from Injury Video Review Booth (7.14.06) to Instant Replay (7.15.01).
 2. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 4. Test all fiber connections and provide to Owner
- N. High East EZ
1. Upgrade fiber from 12 strand to 24 strand fiber optic cable, from High Home EZ (NFL 702B) to NFL Instant Replay (7.15.01)
 2. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 4. Test all fiber connections and provide to Owner
- O. High West EZ
1. Upgrade fiber from 12 strand to 24 strand fiber optic cable, from High West endzone on top of west video display to NFL Instant Replay (7.15.01).
 2. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 4. Test all fiber connections and provide to Owner
- P. High Home 50 yd line (all 22)
1. Upgrade fiber from 12 strand to 24 strand fiber optic cable, from High Home All22 (NFL 906A) to NFL Instant Replay (7.15.01).
 2. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 4. Test all fiber connections and provide to Owner
- Q. High Visitor 50 yard line (reverse all 22)

1. Upgrade fiber from 12 strand to 24 strand fiber optic cable, from High Visitor All22 to NFL Instant Replay (7.15.01).
 2. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 4. Test all fiber connections and provide to Owner
- R. Visitor Interview Room 1.23.07
1. Install 12 strand single mode fiber optic from Visitor Interview Room (1.23.07) to IDF (1.38.05)
 2. Provide rackmount fiber patch panel to accommodate all 12 fiber strands at each end
 3. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 4. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 5. Test all fiber connections and provide to Owner
- S. Home Locker Room 1.16.05
1. Install 12 strand single mode fiber optic from Vikings Locker Room (1.16.05) to IDF (1.38.05).
 2. Provide rackmount fiber patch panel to accommodate all 12 fiber strands at each end
 3. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 4. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 5. Test all fiber connections and provide to Owner
- T. Visitor Locker Room 1.25.07
1. Install 12 strand single mode fiber optic from Visitor Locker Room (1.25.07) to IDF (1.38.05)
 2. Provide additional fiber patch panel to accommodate all 12 fiber strands at each end
 3. Land all fiber connections onto patch panel" Provide rackmount fiber patch panel to accommodate all 24 fiber strands at each end
 4. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 5. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 6. Test all fiber connections and provide to Owner
- U. NFL Officials Locker Room 1.36.04
1. Install 12 strand single mode fiber optic from NFL Officials Locker Room (1.36.04) to IDF (1.38.05).
 2. Provide rackmount fiber patch panel to accommodate all 12 fiber strands at each end
 3. Terminate utilizing ST style connectors, by fusion splicing pigtails with matching TIA color code with installed fiber.
 4. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps

5. Test all fiber connections and provide to Owner

3 House Broadcast Infrastructure

Notes: Recommended SMPTE cable: Belden 7824R, 3 channel stadium cable

- A. JBA 002 (West Plaza) to Replay Racks room 7.15.05
 1. Install additional 12 strand single mode fiber, terminate with ST ends, and test after installation.
 2. Provide additional fiber patch panel to accommodate all 24 fiber strands at each end
 3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
- B. JBA 113C (NE Tunnel) to Replay Racks 7.15.05
 1. Install additional one (1) SMPTE cable and terminate with SMPTE connector and test after installation
 2. Provide additional connectors to land additional SMPTE connections onto JBA panel and test connections
- C. JBA 113E (Far Right End zone, Field Level) to Replay Racks 7.15.05
 1. Install additional one (1) SMPTE cable and terminate with SMPTE connector and test after installation
 2. Provide additional connectors to land additional SMPTE connections onto JBA panel and test connections
- D. JBA 114A (near Right Endzone, Field Level) to Replay Racks 7.15.05
 1. Install additional one (1) SMPTE cable and terminate with SMPTE connector and test after installation
 2. Provide additional connectors to land additional SMPTE connections onto JBA panel and test connections
- E. JBA 114C (SE 30 yard line) to Replay Racks 7.15.05
 1. Install 12 strand single mode fiber, terminate with ST ends, and test after installation.
 2. Install additional one (1) SMPTE cable and terminate with SMPTE connector and test after installation
 3. Provide additional fiber patch panel to accommodate all 12 fiber strands at each end
 4. Land all fiber connections onto patch panel
 5. Provide additional connectors to land additional SMPTE connections onto JBA panel and test connections
- F. JBA 115A (SW 30 yd line) to Replay Racks 7.15.01
 1. Install 12 strand single mode fiber, terminate with ST ends, and test after installation.
 2. Install additional one (1) SMPTE cable and terminate with SMPTE connector onto JBA panel and test after installation
 3. Provide additional fiber patch panel to accommodate all 12 fiber strands at each end
 4. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 5. Provide additional connectors to land additional SMPTE connections and test connections

- G. JBA 115B (Field Sideline Club) to Replay Racks 7.15.05
 1. Install additional one (1) SMPTE cable and terminate with SMPTE connector and test after installation
 2. Provide additional connectors to land additional SMPTE connections onto JBA panel and test connections
- H. JBA 116A (NW Field Tunnel) to Replay Racks 7.15.05
 1. Install additional one (1) SMPTE cable and terminate with SMPTE connector and test after installation
 2. Provide additional connectors to land additional SMPTE connections onto JBA and test connections
- I. JBA 215A (Near Left Endzone) to Replay Racks 7.15.05
 1. Install additional one (1) SMPTE cable and terminate with SMPTE connector and test after installation
 2. Provide additional connectors to land additional SMPTE connections onto JBA panel and test connections
- J. JBA 405A (Alternate Mix Position, Main Concourse) to Replay Racks 7.15.05
 1. Install 12 strand single mode fiber, terminate with ST ends, and test after installation.
 2. Provide additional fiber patch panel to accommodate all 12 fiber strands at each end
 3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
- K. JBA 505C (High 50 yard line) to Replay Racks 7.15.05
 1. Install 12 strand single mode fiber, terminate with ST ends, and test after installation.
 2. Install additional one (1) SMPTE cable and terminate with SMPTE connector onto JBA panel and test after installation
 3. Provide additional fiber patch panel to accommodate all 12 fiber strands at each end
 4. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 5. Provide additional connectors to land additional SMPTE connections and test connections
- L. JBA 512A (Reverse 50 yard line) to Replay Racks 7.15.05
 1. Install 12 strand single mode fiber, terminate with ST ends, and test after installation.
 2. Install additional one (1) SMPTE cable and terminate with SMPTE connector and test after installation
 3. Provide additional fiber patch panel to accommodate all 12 fiber strands at each end
 4. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 5. Provide additional connectors to land additional SMPTE connections and test connections
- M. JBA 708A (West High Endzone) to Replay Racks 7.15.05
 1. Install one (1) SMPTE cable and terminate with SMPTE connector and test after installation
 2. Provide additional connectors to land additional SMPTE connections and test connections
- N. JBA 1001A (NE Catwalk) to Replay Racks 7.15.05

1. Install 12 strand single mode fiber, terminate with ST ends, and test after installation.
 2. Provide additional fiber patch panel to accommodate all 12 fiber strands at each end
 3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
- O. SE 25 yard main follows
1. Install 2 SMPTE cable and terminate with SMPTE connector and test after installation
 2. Provide panel to land SMPTE connections and test connections
 3. All cables are to run back to Replay racks 7.15.05
- P. SW 25 yard main follows
1. Install 2 SMPTE cables and terminate with SMPTE connector and test after installation
 2. Provide panel to land SMPTE connections onto JBA panel and test connections
 3. All cables are to run back to Replay racks 7.15.05
- Q. Home interview room 1.19.06
1. Install 6 strand single mode fiber, terminate with ST ends, and test after installation.
 2. Provide fiber patch panel to accommodate all 6 fiber strands at each end
 3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 4. All cables are to run back to Replay racks 7.15.05
- R. Home Locker Room 1.16.05
1. Install 6 strand single mode fiber optic cable, terminate with ST ends, and test after installation
 2. Provide additional fiber patch panel to accommodate all 6 fiber strands at each end
 3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 4. All cables are to run back to Replay racks 7.15.05
- S. Home Locker Room Exit
1. Install 6 strand single mode fiber, terminate with ST ends, and test after installation.
 2. Provide additional fiber patch panel to accommodate all 6 fiber strands at each end
 3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 4. All cables are to run back to Replay racks 7.15.05
- T. Fire Club
1. Install 24 strand single mode fiber, terminate with ST ends, and test after installation.
 2. Provide fiber patch panel to accommodate all 24 fiber strands at each end
 3. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 4. All cables are to run from AV room 5.18.03 back to Replay racks 7.15.05

4 **House Alternate**

- A. For the following JBAs: **113C, 113E, 114C, 115A, 115B, 116A, and 708A:**

1. Provide price to replace one (1) SMPTE cable in the above JBA locations with one (1) Triple SMPTE cable.
 2. Terminate two (2) SMPTE cables with SMPTE connectors and leave the third (3rd) SMPTE cable unterminated.
 3. Install two (2) SMPTE panel connectors on field panels at each end of cable.
- B. For the following JBAs: **114A and 215A**
1. Provide price to replace one (1) SMPTE cable listed above with one (1) triple SMPTE cable and one (1) 6 strand SM fiber optic cable in the above JBA locations.
 2. Terminate two (2) SMPTE cables with SMPTE connectors and leave the third (3rd) SMPTE cable unterminated.
 3. Install two (2) SMPTE panel connectors on field panels at each end of cable.
 4. Install 24 strand single mode fiber, terminate with ST ends, and test after installation.
 5. Provide fiber patch panels to accommodate all 24 fiber strands at each end
 6. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
- C. For the following JBAs: **002**
1. Provide price to replace one (1) 12 strand SM fiber optic listed above with one (1) SMPTE cable and one (1) 24 strand SM fiber optic cable in the above JBA locations.
 2. Terminate one (1) SMPTE cable with SMPTE connector.
 3. Install one (1) SMPTE panel connectors on field panels at each end of cable.
 4. Install 24 strand single mode fiber, terminate with ST ends, and test after installation.
 5. Provide fiber patch panels to accommodate all 24 fiber strands at each end
 6. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
- D. For the following JBAs: **505C and 512A**
1. Provide price to replace one (1) SMPTE cable with one (1) triple SMPTE cable and one (1) 12 strand SM fiber optic cable in the above JBA locations.
 2. Terminate two (2) SMPTE cables with SMPTE connectors and leave the third (3rd) SMPTE cable unterminated.
 3. Install two (2) SMPTE panel connectors on field panels at each end of cable.
 4. Install 24 strand single mode fiber, terminate with ST ends, and test after installation.
 5. Provide fiber patch panels to accommodate all 24 fiber strands at each end
 6. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps

5 Local ENG

- A. Install Local ENG TV cabling as per included specs and reference drawings: ES8.04, ES8.05, and ES8.06, ES 8.30, and ES8.08
1. Locations include:
 - a. SW Plaza JBE 003
 - b. Visitor Media Interview 1.23.07
 - c. Outside Home Locker Room
 - d. Home Interview Room
 - e. NE Corner Field Level

- f. East Main Concourse
- g. Microwave Location on NW Parking Ramp
- h. Pedestal 1
- i. Pedestal 3

6 Local ENG Alternate

- A. Provide deduct on each cable pull, if one of the Local ENG cable runs is removed from project.

7 Visiting ENG

- A. Provide cabling per drawing ES8.30, ENG Cable Schedule
- B. In addition to cable schedule included on Drawing ES.8.30,
 - 1. provide one (1) - six (6) strand single mode fiber optic cable and two (2) Cat 6A cables for the following JBE locations
 - a. JBE 115A
 - b. JBE 116A
 - 2. Terminate with ST ends, and test after installation.
 - 3. Provide fiber patch panels to accommodate all 6 fiber strands at each end
 - 4. Land all fiber connections onto field panel and ensure all fiber connectors have tethered dust caps
 - 5. Terminate Cat 6A with RJ45 connectors and land onto field panels

8 National Radio

- A. Install National Radio Cabling, Equipment, and terminations as per included specs and reference drawings: ES8.04, ES.05, ES8.06, ES8.30, and ES8.08

C.3 Project Management Requirements

Functional Requirements.

- a. **BASE SERVICES:** Proposer must supply experienced project manager to manage schedules, sub-contractors, technicians, and ensure the project flows without issues. Project Manager must work with other contractors on site and ensure the proposers work does not interfere with other schedules.

C.4 Technical Requirements

- a. **SYSTEM MANAGEMENT:** In addition to technical experience, the Contractor and/or Sub-contractor(s) must demonstrate the ability provide ongoing turnkey professional and technical services to continually manage, and optimize the design, functionality, and performance for the duration of the Broadcast Infrastructure project.

- b. **FIBER AND COPPER TESTING:** Proposer must be able to test all fiber and copper infrastructure with real-time OTDR, power meter, and for fault identification and isolation equipment.
- c. **TECHNICAL RESOURCES:** Proposer must have experienced technicians to handle, install, terminate and test the cables of the Broadcast Infrastructure project. Technician must have a minimum of 5 years' experience and proposer must supply experience of technicians with their proposal.

D. Requested Qualifications

The Authority reserves the right and discretion to determine the qualifications and responsibility of the Proposers to perform the services that are the subject of the RFP. It is the request and intent of the Authority that Proposers responding to the RFP have the following qualifications:

- o Proposer must have demonstrated experience in building, managing and supporting a Broadcast Infrastructure, including handling, pulling, terminating, and installing fiber optic cables.
- o In-house capacity to produce necessary design, construction, and schedule documentation, which does not preclude any Proposer from also identifying potential sub-consultants that could assist in producing such estimates and schedules.
- o Performance and payment bond bonding capacity or ability to obtain bonding capacity to the full amount of the selected scope of the Broadcast Infrastructure contained within the submitted Proposal.

E. RFP Timeline

Advertise and Issuance of Request for Proposals	December 1, 2015
Pre-proposal Meeting (511 11 th Ave, Suite 401, 1:00PM, call 415-655-0002 code 921569091, #54321)	December 8, 2015
Written Questions Due	December 15, 2015
Proposals Due	December 30, 2015
Interviews of Shortlisted Proposers	January 13, 2016
Selection of Provider	January 22, 2016
Project Completion	April 1, 2016

F. Qualifications and Evaluation Criteria

By submitting a Proposal, the Proposer affirms that this timeline must and can be met to avoid the potential for significant harm to the progress of the Project and to the interests of the Authority, Team, and public.

F.1 Proposer Qualifications

The following items shall be included in a Proposal response:

- a. Proposer's name and address of office that would have central responsibility for the work. Identify the business form of Proposer and list the principal shareholders or other business owners. If the proposed form of entity is a joint venture, please identify each joint venture participant and their respective percentage of participation. Provide a summary, on three pages or less, describing why the Proposer is the most qualified to be the Provider for the Project.

Proposer must have demonstrated experience in building, managing and supporting a standardized Broadcast Infrastructure, similar in scope, size and timeline.

- b. Describe your company's primary business.
 - i. Give examples of how/where your company has installed and commissioned a similar project to the Broadcast Infrastructure
 - ii. Give references for Broadcast Infrastructure customers your company provides services to.
 - iii. Provide details to skill set of your technicians that will be performing the work on site.
- c. Please provide a second detailed team organizational chart showing the structure of the team proposed to provide ongoing support technical and professional services to optimize the success of the Broadcast Infrastructure, and a corresponding role, accountability and bio for each key team member.
- d. Provide copies of Proposer's certificates of insurance showing Proposer's current total limits of liability for commercial general liability, worker's compensation, employer's liability, business automobile liability, and professional liability.
- e. Provide representative list of similar projects managed by Proposer during that last 10 years or that are currently under construction or management. Include:
 - Client
 - Project Name
 - Time Span of Services Provided
 - Site description; listing dates of construction, seating capacity, project gross square footage, and wireless environment. Proposers shall be specific about which projects have been worked on by current employees while employed by your firm vs. those that were worked on while employees of another employer. List key principal of Proposer who was responsible for the project.
 - Key contact or reference from project Owner including name, title, email, and telephone number.
- f. Provide evidence of Proposer's capacity to provide or obtain performance and payment bonds in a letter from Proposer's bonding company listing Proposer's single

project bonding capacity or limit. If Proposer is a joint venture, describe the joint venture's plan to provide bonding capacity.

- g. Submit completed and executed responses to State of Minnesota "Affirmative Action Data" form (Exhibit B) and "Statement of Non Collusion" (Exhibit C).
- h. Submit Proposer's contract terms and conditions utilizing, at a minimum, the Contract Form outline set forth in Exhibit A as a guide. (Proposers are encouraged to provide a full and complete contract with terms and conditions standard for its contracting relationships. The Exhibit A outline specifies required terms to be provided, but does not suggest the complete content of the terms and conditions required by a Proposer contract.)

F.2 Submittal Requirements: Evaluation of Proposals

In addition to the responses and information requested in Paragraph F. 1 above, Proposers shall also include the information requested below in their Proposals. As described below, the Authority will score Proposals on a point system, with some criteria being graded on a pass/fail basis. Proposers who fail any criterion may have their Proposal rejected. A total of 300 points will be available as follows:

Project Delivery:	50 points
Fiber Network Solution:	100 points
Commercial Terms:	100 points
Interview:	50 points
Equitable Contracting and Hiring:	Pass/Fail

The Proposals receiving the highest three scores, as determined by the Authority in its sole discretion will then be short-listed and selected to enter into final discussions and negotiations with the Authority, as a result of which the Authority will select in its discretion the Proposer whose final Proposal is most advantageous and the best value to the Authority as permitted by the Act.

Project Delivery - 50 Points (10 points each)

1. Similar Project Experience. Describe Proposer's experience with fast track projects, and discuss Proposer's view as to appropriate ways to proceed with the Broadcast Infrastructure requirements for this Project.
2. Project Personnel. Provide names and resumes of key personnel who would be directly responsible for the work. Provide key contact telephone, fax, and email addresses. Provide organizational chart listing proposed team members by name and responsibility. Indicate other projects to which team members are assigned currently for years 2014 to 2016. Any other relevant experience pertinent to the Broadcast Infrastructure requirements for this Project shall be listed under "Other Significant Experience."

3. Project Specific Risks and Solutions. Identify and describe the risks Proposer perceives as being significant for the scope of services and Broadcast Infrastructure required by this RFP, and how Proposer intends to mitigate, manage, and control those risks.
4. Project Controls. Describe Proposer's approach and methodology for implementing project controls relating to budget and schedule compliance, and provide examples of Proposer's experience in successfully managing similar projects that were completed within the established budget and schedule and fulfilled the defined project's program.
5. Preliminary Performance Schedule. Please provide Proposer's preliminary critical path method performance schedule with milestones interdependencies identified for critical items of design, ordering, construction, and installation work that generally demonstrates Proposer's strategy for completing the scope of work required by this RFP by the required deadline.

Broadcast Infrastructure Functionality – 100 Points

1. Describe Proposer's solution for integration with the Authority's other relevant or related technology systems

Commercial Terms – 100 Points

1. Price. (50 Points) Provide itemized pricing on all necessary design, coordination, supply, installation, and testing of a complete Broadcast Infrastructure, solely or with Sub-contractor(s), and all scope of work items required by this RFP, including sales tax (if any).
2. Warranties and Maintenance. (25 points) Submit the warranties covering the proposed network, hardware and software. Describe the warranty terms, durations, limitations, etc. Describe the warranty policies regarding user modifications to same. Describe the service and maintenance programs, including copies of all service and maintenance contracts and fees for supporting software components.
3. Ongoing Fixed and Variable Costs. (25 points) Provide detailed cost information for ongoing fixed and variable costs, including tax calculation service fees, and any cost exclusions.

Proposers will submit a detailed and specific contract to the Authority for consideration and negotiation. The contract submitted by the Proposer will include, at a minimum, completed terms and conditions required by the Contract Form set forth on **Exhibit A**. The Authority will require Proposer to execute, as a condition of any award, the contract that is negotiated and agreed upon by Proposer and the Authority. The contract agreement proposed by Proposers must be complete with textual terms and conditions when proposed and cannot be an outline.

Interview – 50 Points

The Authority will conduct an interview with each qualified Proposer that has submitted a responsive proposal. Interviews will be in the format determined in the Authority's sole discretion.

Equitable Contracting and Hiring – Pass/Fail

Describe Proposer's practices and history of hiring women and minorities. Also describe Proposer's specific plan to reach targeted goals for MBE and WBE construction participation on this project, and Proposer's strategies for employing women and members of minority communities to comply with the Authority's goals in **Exhibit D**.

According to the Act, there shall be no disclosure of any information derived from Proposals submitted by competing Proposers and the content of all Proposals is nonpublic data under Chapter 13 of Minnesota Statutes until such time as a notice to award a contract is given by the Authority. The Authority may change its scoring of Proposals as a result of interviews of and negotiations with Proposers.

A Proposer's response may also contain any narrative, charts, tables, diagrams, or other materials in addition to those called for herein, to the extent such additions are useful for clarity or completeness of the response. Attachments should clearly indicate on each the page the paragraph in the RFP to which they pertain.

The RFP, responses to it, and any subsequent negotiations and discussions shall in no way be deemed to create a binding contract or expectation of an agreement between the Proposer and the Authority.

Each Proposer submitting a Proposal in response to this RFP acknowledges and agrees that the preparation of all materials for submittal to the Authority and all presentation, related costs, and travel expenses are at Proposer's sole expense and that the Authority shall not, under any circumstances, be responsible for any cost or expense incurred by the Proposers. The Authority shall be allowed to keep any and all materials supplied by the Proposers in response to the RFP.

The Authority reserves the right to accept or reject any or all Proposals, to amend or alter the selection process in any way by addendum, to postpone the selection process for its own convenience at any time, and to waive any non-material defects in proposals submitted. Proposals are required to remain open and subject to acceptance until an award is finalized, or a minimum of (90) days following the date of submission of Proposals. The Authority also reserves the right to accept or reject any individual sub-consultants that the successful Proposer proposes to use.

G. Project Labor Agreement

The Authority will require the Proposer to negotiate and enter into a Project Labor Agreement acceptable to the Authority for the Proposer's installation work on the Project, if any, required by this RFP.

H. Payment and Performance Bonds

By Minnesota statutes and the Act, payment and performance bonds will be required from the successful Proposer in the amount of 100% of the cost of Proposal.

I. Pre-proposal Meeting

A non-mandatory Pre-proposal meeting will be held December 3, 2015 2:00 p.m. CST in Authority Offices, 511 11th Ave, Suite 401, Minneapolis, Minnesota. Conference Bridge (TBD) for remote access to meeting.

J. Proposals Due

J.1 **Proposal Due Date.**

Proposals are due by 4:00 p.m. CST, December 22, 2015.

J.2 **Proposal Delivery Requirements.**

- One (1) electronic copy and four (8) bound copies of each Proposal should be enclosed in a sealed envelope addressed to:

Steven C. Maki, PE
Attention: **Broadcast Infrastructure Proposal**
Minnesota Sports Facilities Authority
511 11th Avenue South, Suite 401
Minneapolis, Minnesota 55415

- One (1) electronic copy and four (4) bound copies should also be sent and addressed to:

Don Becker, Project Executive
Minnesota Vikings Football, LLC
Minnesota Vikings - Winter Park 9520 Viking Drive
Eden Prairie, MN 55344
Fax: 952.828.6513
Email: beckerd@vikings.nfl.net

K. Questions or Inquiries

All questions must be submitted in writing no later than 4:00 p.m. CST, September 30, 2015 to:

Steven C. Maki, PE
511 11th Ave. South Suite 401
Minneapolis, Minnesota 55415
Fax: 612.332.8334
Email: stevencmaki@gmail.com

With copies to:

Don Becker, Project Executive
Minnesota Vikings Football, LLC
Minnesota Vikings - Winter Park 9520 Viking Drive
Eden Prairie, MN 55344
Fax: 952.828.6513
Email: beckerd@vikings.nfl.net

L. Minnesota Government Data Practices

All Proposals are eventually subject to the Minnesota Government Data Practices Act, Minn. Statutes, Chapter 13, but the Act prohibits disclosure of any information derived from Proposals submitted by competing Proposers, and the content of all Proposals is nonpublic data under Chapter 13 until such time as notice to award a contract to the successful Proposer is given by the Authority. Proposers shall note with their Proposal any data in their Proposal that they consider proprietary information or otherwise private and confidential.

M. List of Exhibits

- Exhibit A** Contract Form to be provided by Proposer
- Exhibit B** Non Collusion Statement
- Exhibit C** Minnesota Department Affirmative Action Data Page
- Exhibit D** Authority's Equity Plan
- Exhibit E** Stadium Plans

EXHIBIT A

CONTRACT AND PRICING FORMS TO BE PROVIDED BY PROPOSER

PROPOSED CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (“Contract Agreement”) is made as of the ____ day of _____ in the year of 2015 (“Effective Date”).

BY AND BETWEEN

The AUTHORITY:

MINNESOTA SPORTS FACILITIES AUTHORITY
511 11th Avenue South, Suite 401
Minneapolis, Minnesota 55415

and the

CONTRACTOR: _____

For: Certain Contractor Work.

For the following **PROJECT:** **Broadcast Infrastructure Proposal**

1. **General Provisions**
2. **Contractor Work**
3. **Design and Development Services.**
4. **Contract Completion**
5. **Contract Amount and Cost of Services**

5.1 The Trade Contract Amount shall be as set forth on Exhibit 2.

6. **Record Retention, Audit and Claims**
7. **Changes**
8. **Sub-contractor(s)**
9. **Coordination with Project**
10. **Compliance with Applicable Law**

10.1 Equity Plan. The Trade Contractor shall comply with all Applicable Laws and any special requirements in the Contract Documents regarding equal employment opportunity, Targeted Business, and workforce participation initiatives. The Trade Contractor shall demonstrate good faith efforts to utilize minority (“**MBE**”) and women-owned (“**WBE**”) business enterprises (hereinafter referred to as “**Targeted Businesses**”). The Authority has retained the services of a Targeted Business Coordinator to assist with meeting Targeted Business and workforce participation goals. The Trade Contractor shall submit to the Authority a Targeted Business Enterprise Participation Plan within ten (10) Days after executing this Trade Contract Agreement. The Authority requires that the Trade Contractor utilize good faith efforts to achieve the goals for MBE and WBE participation set forth in the Authority’s Equity Plan for the Trade Contractor Work. The Authority also requires that the Trade Contractor utilize good faith efforts to achieve the workforce participation goals for minority and women workers regarding the Trade Contractor Work. The Authority has adopted the Equity Plan applicable to the Construction Manager to be the Equity Plan applicable to the Trade Contractor and the Trade Contractor agrees that it will follow the Equity Plan attached as Exhibit 3 hereto and that the Equity Plan is applicable to its Trade Contractor Work. **The Trade Contractor shall utilize the Targeted Business Coordinator to the fullest extent possible to accomplish the following activities:**

- .1 Identify the trades, services and suppliers needed for the Trade Contractor Work.
- .2 Identify Targeted Businesses that have the resources and capabilities to participate in the Trade Contractor Work.
- .3 Contact Targeted Businesses to solicit bids for work on the Trade Contractor Work.
- .4 Certify currently uncertified but qualified companies as Targeted Businesses for participation in the Trade Contractor Work.
- .5 Develop the Targeted Business Enterprise Participation Plan for submittal with any bid or proposal from Sub-contractor(s).
- .6 Track participation of Targeted Businesses.
- .7 Prepare Targeted Business participation reports required by the Authority.
- .8 Comply with workforce utilization requirements of the Authority’s Equity Plan for the Contractor Work, including requirements established pursuant to Section 17, subd.1 of the Act.

Trade Contractor's failure to use good faith efforts to achieve the Authority's Targeted Business participation goals or to follow the requirements of the Authority's Equity Plan for the Trade Contractor Work may result in the assessment of appropriate damages. The Authority's Equity Plan for the Contractor Work is attached as **Exhibit 3** and any references in the Equity Plan to Construction Manager shall apply to Contractor.

- 11. Payments**
- 12. Final Completion and Payments**
- 13. Safety**
- 14. Contractor's Insurance for Purposes of Contractor's Work.**
- 15. Termination or Suspension by Authority**
- 16. Entire Agreement**

16.1 This Trade Contract Agreement represents the entire agreement between the Authority and Trade Contractor and supersedes any prior negotiations, representations, promises, or agreements whether written or oral. This Trade Contract Agreement may be amended only by written instrument signed by both Authority and the Trade Contractor.

[THIS SPACE LEFT INTENTIONALLY BLANK]

[SIGNATURE PAGE FOLLOWS]

THIS TRADE CONTRACT AGREEMENT is entered into as of the day and year first written above.

AUTHORITY:

By: Michele Kelm-Helgen
Title: Its Chair

AUTHORITY:

By: Ted Mondale
Title: Its CEO/Executive Director

CONTRACTOR:

By: _____
Title: _____

EXHIBIT 1
DESCRIPTION OF CONTRACTOR WORK

The following description is included in the scope of the Trade Contractor Work as **Exhibit 1**:

The design, work, services, labor, materials, and equipment to be provided by the Contractor and its Sub-contractor(s, Suppliers, Consultants and Sub-consultants of any tier and associated with the Contractor Work for the Project are described below, and it is the intention of the Contract Agreement that the Contractor shall provide all design, work, services, labor, materials, and equipment to complete the Contractor Work in accordance with the Contract Agreement, including the Contract Documents and all Applicable Laws.

The Trade Contractor Work shall include the following, without limitation:

1. **Design and Development Services.**
2. **Implementation and Integration Services.**

[To be developed]

EXHIBIT 2
TRADE CONTRACT AMOUNT

[To be developed]

**EXHIBIT 3
EQUITY PLAN**

[See Attached]

EXHIBIT 4
CONSTRUCTION SCHEDULE

The Contractor shall perform its Contractor Work expeditiously and consistent with its contractual obligations to further the orderly progress of the Contractor Work. The Contractor’s Work shall be commenced on the Effective Date, and, subject to authorized adjustments and excusable delays as allowed by the Contract Agreement, Contractor shall achieve Project Milestone Dates and Substantial Completion of its Contractor Work in accordance with this **Exhibit 4**.

Final Completion of the Contractor Work shall be deemed to have occurred only after completion of all the Contractor Work and acceptance of it by the Authority.

The Date of Substantial Completion is described in more detail below:

Substantial Completion

Milestone Dates of the Contractor Work that must be complete in accordance herewith are outlined on the Outline of the Schedule below. For purposes of this **Exhibit 4**, “**Scheduled Substantial Completion Date**” shall mean _____, 2016 and “**Guaranteed Completion Date**” shall mean the date set forth across from the corresponding unit or phase of Trade Contractor Work on the Outline of Construction Schedule set forth below.

The following Outline of Construction Schedule highlights critical components of the Project and mandatory Milestone Dates that must be completed, without exception, by the Contractor in order to meet the requirements of the Construction Schedule and Substantial Completion.

The Parties acknowledge and agree, in accordance with **Paragraph 2.11** to the Contract Agreement, that the Contractor will undertake Extraordinary Measures if the Authority determines that the performance of the Contractor Work has not progressed or reached the level of completion required by the Milestone Dates.

Please provide a specific timeline and project plan in MS Excel; including key milestones, tasks, person(s) accountable, estimated durations and completion dates.

OUTLINE OF STADIUM BROADCAST INFRASTRUCTURE IMPLEMENTATION SCHEDULE

Description of Contractor Work	Start Date	Guaranteed Completion Date	Comments

EXHIBIT 5
WARRANTY

The following Warranty is included in this Trade Contract Agreement as **Exhibit 7**:

WARRANTY

Pursuant to the Trade Contract Agreement between the Minnesota Sports Facilities Authority ("**Authority**") and _____ ("**Trade Contractor**"), Trade Contractor hereby warrants and guarantees that all of the Trade Contractor Work performed under the Trade Contract Agreement will be of new and of good quality, will be free of defects except for those inherent in the quality of the Trade Contractor Work allowed by the Trade Contract Documents, and will conform to the requirements of the Trade Contract Documents ("**Warranty**"). If the Trade Contractor Work does not conform to this Warranty, it shall be considered defective, and Trade Contractor shall remedy at its own expense any such defective Trade Contractor Work (including the costs that the Authority or Architect incur in dealing with or as a result of the defective Trade Contractor Work) so that the Trade Contractor Work conforms to the Trade Contract Documents. The Trade Contractor's Warranty shall extend for a period of two (2) years after final acceptance by Authority. Where guarantees or warranties are required in the Trade Contract Documents for a period of more than two (2) years, such longer terms shall apply. All Suppliers' warranties and guarantees, express or implied, respecting any part of the Trade Contractor Work and any materials used therein are hereby assigned by the Trade Contractor to the Authority. This Warranty shall supplement, and not supersede, warranties and guarantees given by Trade Contractor under the terms of the Trade Contract Documents.

TRADE CONTRACTOR:

WITNESS: _____

Title: _____

Date: _____

STATE OF _____

COUNTY OF _____

BEFORE ME, the undersigned authority, on this day, personally appeared _____ known to me to be the person whose name subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this ___ day of _____, 2015.

NOTARY PUBLIC

SEAL

MY TERM EXPIRES

EXHIBIT 6
FORM OF MAINTENANCE AGREEMENT

[See Attached]

EXHIBIT B

NON-COLLUSION STATEMENT

(To Be Included Submitted With Indication of Interest and Qualifications)

STATE OF _____
CITY/COUNTY OF _____

_____ being first duly sworn, deposes and says that he or she is

Title of Person Signing

of _____

Name of Proposer

states that all statements made and facts set out in the Proposal for the above Project are true and correct; and the Proposer (the person, firm, association, or corporation making said proposal) has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with said proposal or any contract which may result from its acceptance.

Affiant further certifies that Proposer is not financially interested in, or financially affiliated with, any other Proposer for the above Project.

Proposer _____

By _____

Its _____

SWORN to before me this _____ day of _____ 20 ____.

Notary Public

My Commission Expires

EXHIBIT C

MINNESOTA DEPARTMENT AFFIRMATIVE ACTION DATA PAGE

State Of Minnesota – Affirmative Action Data Page (For responses in excess of \$100,000 only)

If your response to this solicitation is in excess of \$100,000, please complete the information requested below to determine whether you are subject to the Minnesota Human Rights Act (Minnesota Statutes 363.073) certification requirement, and to provide documentation of compliance if necessary. *It is your sole responsibility to provide this information and—if required—to apply for Human Rights certification prior to the due date and time of the bid or proposal and to obtain Human Rights certification prior to the execution of the contract.*

How to determine which boxes to complete on this form:

Then you must complete these boxes...	BOX A	BOX B	BOX C	BOX D
On any single working day within the past 12 months, if your company...				
Employed more than 40 full-time employees in Minnesota				
Did not employ more than 40 full-time employees in Minnesota, but did employ more than 40 full-time employees in the state where you have your primary place of business				
Did not employ more than 40 full-time employees in Minnesota or in the state where you have your primary place of business.				

BOX A – For companies which have employed more than 40 full-time employees within Minnesota on any single working day during the previous 12 months

Your response will be rejected unless your business:

- has a current Certificate of Compliance issued by the Minnesota Department of Human Rights (MDHR)
- or–*
- has submitted an affirmative action plan to the MDHR, which the Department received prior to the date and time the responses are due.

Check one of the following statements if you have employed more than 40 full-time employees in Minnesota on any single working day during the previous 12 months:

- We have a current Certificate of Compliance issued by the MDHR. **Proceed to BOX D.** Include a copy of your certificate with your response.
- We do not have a current Certificate of Compliance. However, we submitted an Affirmative Action Plan to the MDHR for approval, which the Department received on _____ (date) at _____ (time). [If you do not know when the Department received your Plan, contact the Department.] We acknowledge that the plan must be approved by the MDHR before any contract or agreement can be executed. **Proceed to BOX D.**

- We do not have a Certificate of Compliance, nor has the MDHR received an Affirmative Action Plan from our company. *We acknowledge that our response will be rejected.* **Proceed to BOX D. Call the Minnesota Department of Human Rights for assistance.**

Please note: Certificates of Compliance must be issued by the Minnesota Department of Human Rights. Affirmative Action Plans approved by the Federal government, a county, or a municipality must still be reviewed and approved by the Minnesota Department of Human Rights before a certificate can be issued.

BOX B – For companies, which *have not* had more than 40 full-time employees in Minnesota but *have* employed more than 40 full-time employees on any single working day during the previous 12 months in the state where they have their primary place of business

You may achieve compliance with the Minnesota Human Rights Act by certifying that you are in compliance with applicable Federal Affirmative Action requirements.

Check one of the following statements if you have not employed more than 40 full-time employees in Minnesota but you have employed more than 40 full-time employees on any single working day during the previous 12 months in the state where you have your primary place of business:

- We are not subject to Federal Affirmative Action requirements. **Proceed to BOX D.**
- We are subject to Federal Affirmative Action requirements, and we are in compliance with those requirements. **Proceed to BOX D.**

BOX C – For those companies not described in BOX A or BOX B

Check below. You are not subject to the Minnesota Human Rights Act certification requirement.

- We have not employed more than 40 full-time employees on any single working day in Minnesota or in the state of our primary place of business within the previous 12 months. **Proceed to BOX D**

BOX D – For all companies

By signing this statement, you certify that the information provided is accurate and that you are authorized to sign on behalf of the responder.

Name of Company:

Authorized Signature:

Printed Name:

Title:

Date: _____ Telephone number:

For further information regarding Minnesota Human Rights Act requirements, contact:

Minnesota Department of Human Rights, Compliance Services Section

Mail: 190 East 5 th Street, Suite 700	Metro: (651) 296-5663
St. Paul, MN 55101	Toll Free: 800-657-3704
Website: www.humanrights.state.mn.us	Fax: (651) 296-9042
Email: employerinfo@therightsplace.net	TTY: (651) 296-1283

EXHIBIT D

AUTHORITY'S EQUITY PLAN

The Equity Plan for professional and technical services has three areas that will continue to be monitored, throughout the contract; targeted business inclusion, diverse workforce inclusion and transparent/regular reporting.

Targeted Business Inclusion

The Authority will expect that the contractor will include Minority and Women Business Enterprises (MWBE's) to perform part of the contractor's work. There are arrays of resources that have been prepared to assist the contractor in identifying targeted businesses. In the event that the contractor cannot identify either minority or women businesses, we offer the opportunity to pursue veteran owned small businesses as an option. In addition to locating and contracting with targeted MWBE businesses, we anticipate that the contractor will offer targeted businesses an opportunity to get mentored through this contract. A mentor/protégé option will show that the contractor is serious about developing small businesses in an area where larger companies have dominated the market.

Diverse Workforce Inclusion

There are no workforce inclusion goals on professional and technical services; however, the Authority expects that the contractor will make every effort to recruit a labor force that is ethnically and gender diverse. Recruiting workers from local small and disadvantaged businesses is an opportunity to develop those businesses as well as educating its workforce on the unique opportunities the professional / technical scopes of work offer.

Transparent Reporting

The building of this Project has a phenomenal track record of equity inclusion in both business and workforce. We expect the same in every facet of the Project. The contractors are expected to initially report its targeted business expectations through an exhibit to its contract. Next we expect the contractor to regularly report to the Authority its monthly spending activity. The documents that the contractors should use to report this information are attached.

1) Attachment A: Who will the contractor award work to and at what price and percentage of total contract?

2) Attachment B: Who did the contractor solicit work from and why they chose to use or not to use that targeted business? This is the clarification data necessary to identify your Good Faith Effort(s).

Additionally, Minnesota Statute 337.10 requires prime contractors and all Sub-contractor(s) on building and construction contracts to promptly pay their Sub-contractor(s), service providers and material suppliers within ten (10) days of their receipt of payment. Moreover, the Authority requires that you report on the monthly progress payments made to all your Sub-contractor(s).

Attachment A

Minnesota Sports Facilities Authority
 900 South 5th Street, Minneapolis, MN 55415



CONSTRUCTION SERVICES AGREEMENT EQUITY PLAN TARGETED BUSINESS COMMITMENT AND INFORMATION FORM

Proposer Company Name: _____

Check ONE of the following:

- No Targeted Business participation is committed on this project
 The following Targeted Business (MBE & WBE) participation is committed on this project:

Firm Name <small>(Legal business name used for Targeted Business certification)</small>	WBE MBE <small>(Check one)</small>		How will firm participate? <small>(subcontractor, consortium, joint venture)</small>	Description of work	Estimated dollar value of participation	Estimated percentage of total bid
				Total WBE %	Total MBE %	

(Form continued on next page. Use copies of page 1 of this form if additional space is needed to list committed Targeted Businesses and attach such copies to the form.)



CONSTRUCTION SERVICES AGREEMENT EQUITY PLAN
TARGETED BUSINESS COMMITMENT AND INFORMATION FORM

On behalf of the Proposer identified below, I certify that:

(Check ONE of the following)

- No Targeted Business (MBE or WBE) participation is committed on this project.
- Proposer is committed to use the Targeted Business contractor(s) listed in this form on this project at the stated percentage(s).

I further certify that I have read the Targeted Business requirements found in the Construction Services Agreement Equity Plan. I am authorized on behalf of the Proposer to submit this certification to the Minnesota Sports Facilities Authority. This certification is a material representation of fact on which the Authority may rely in awarding the contract.

Proposer Name: _____

By: _____

Date: _____

Name: _____

Title: _____

Attachment B

Minnesota Sports Facilities Authority
900 South 5th Street, Minneapolis, MN 55415



**CONSTRUCTION SERVICES AGREEMENT EQUITY PLAN
TARGETED BUSINESS INFORMATION FORM**

Check ONE of the following:

- No Targeted Business will be used by Proposer on this project.
- Targeted Businesses are proposed to be used on this project.

The following is

- 1) a list of Targeted Businesses proposed to be used on the project AND
- 2) a list of Targeted Businesses who were considered by the Proposer for the project but were not selected by the Proposer:

1) TARGETED BUSINESS PROPOSED TO BE USED ON THE PROJECT:

Firm Name	Address	Telephone Number

2) TARGETED BUSINESS WHO WERE CONSIDERED BUT WERE NOT SELECTED:

Firm Name	Address	Telephone Number

(Form continued on next page. Use copies of page 1 of this form if space is needed to list additional Targeted Businesses and attach such copies to the form.)



CERTIFICATION

On behalf of the Proposer identified below, I certify that the information provided in this form is true and correct.

Proposer
Name: _____

By: _____ Date: _____

Name: _____

Title: _____

END OF DOCUMENT

